

Blackbird, a SunBlade, is the backup machine it is connected to a 1.5 TB tape library.

BLACKBIRD

ESGADMIN

ESGADMIN is the systems administration console. Uses a single processor, runs RedHat 7.3, mySQL, apache.

Current

Database Servers

ESG1

ESG2

ESG3

ESG4

ESG7

ESG6- Oracle 9i ArcSDE

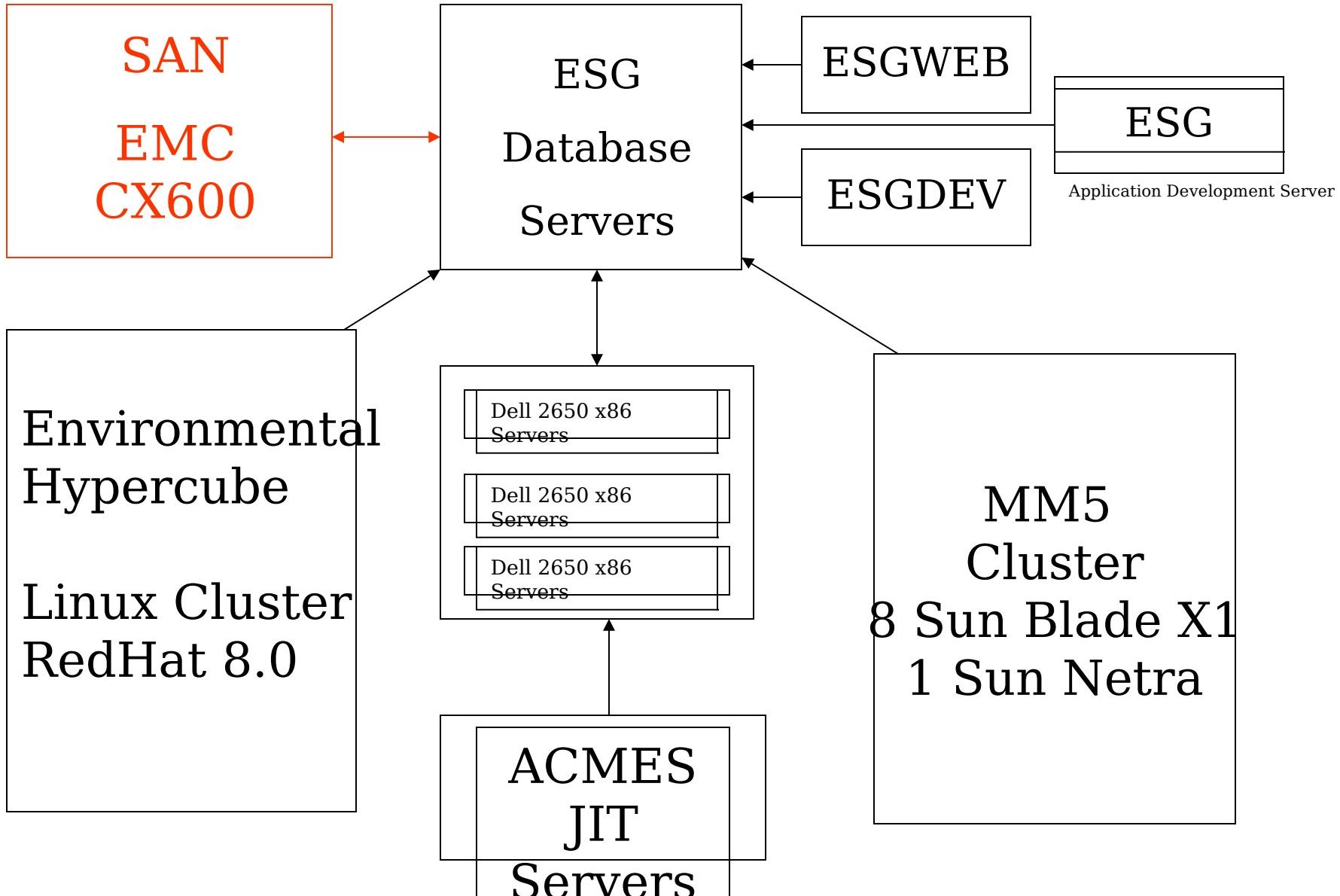
The application server ESGWEB, is dual processor Dell running Redhat Linux 7.3, Apache, Tomcat, MySQL.

ESGWEB

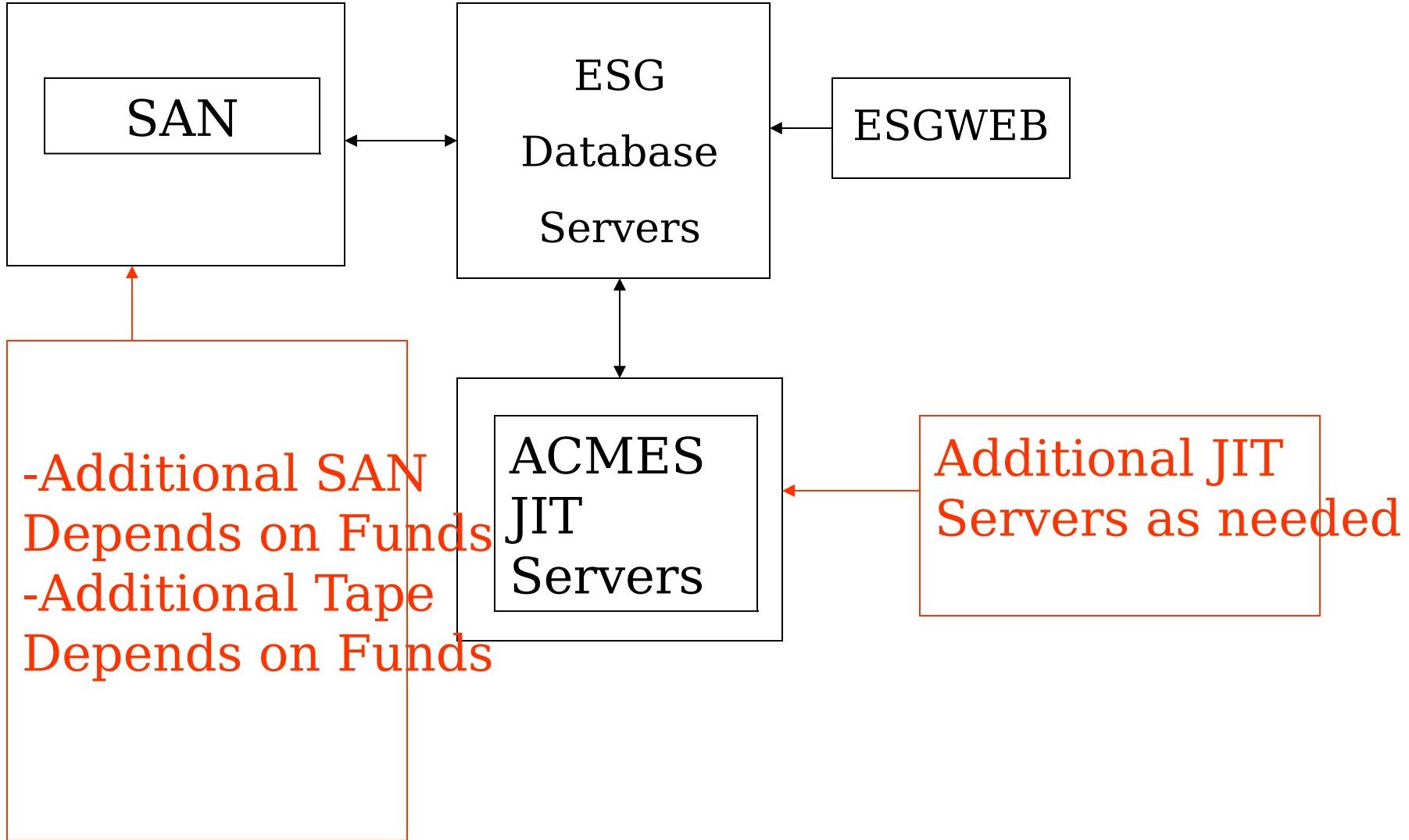
VPN

All database machines are dual processor Dells with RH Linux, MySQL

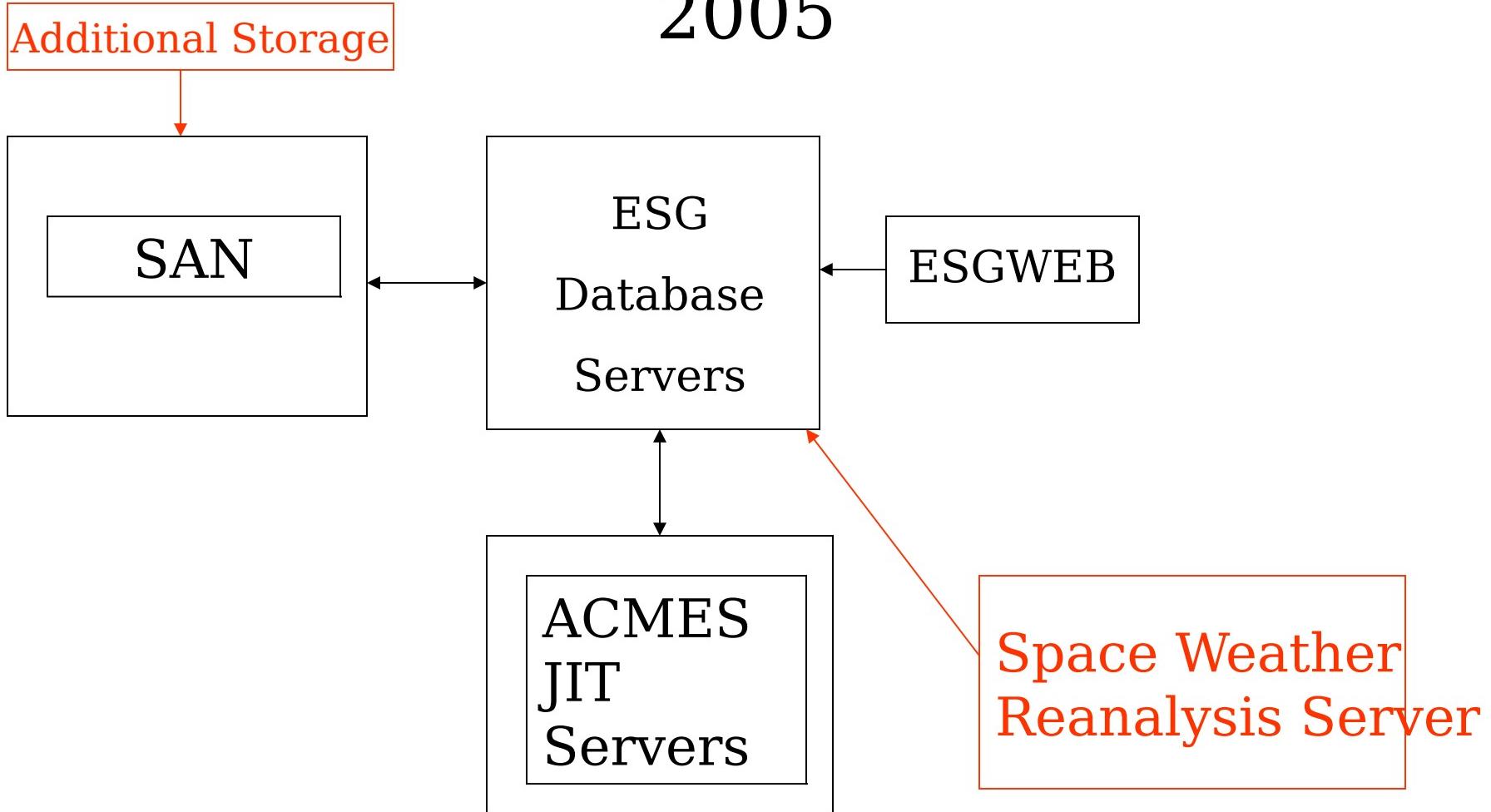
Current



2004



2005



ESG Network

- All nodes except for ESGWEB exist on a private 100 MBit network. They are unreachable from outside.
- All access to ESGWEB is through either SSH or HTTPS.
- 2 years of ACMES data will reside on each of 5 database servers. The sixth will do special processing and development.
- The database servers have a total of 140+ GB of data storage on each machine. They will each run a copy of FDR server
- The mySQL DBMS is used for its speed and small footprint.
- ESG software is Java-based.
- The network SAN and attached archive system are projected to go to ~50 TB of online and near line storage
- Just in time ACMES servers will be added as needed. They will be dual processor Dell machines.